

Title (en)
Spread spectrum signal receiver

Title (de)
Spread-Spektrum-Empfänger

Title (fr)
Récepteur à spectre dispersé

Publication
EP 0785632 B1 20060510 (EN)

Application
EP 97300284 A 19970117

Priority
JP 700996 A 19960119

Abstract (en)
[origin: EP0785632A2] Amplitude level of a received signal is controlled by a variable gain amplifier (12), the received signal with the amplitude level controlled is converted to a digital signal by an A/D converter (13), and correlation or demodulation is established by a correlator (14) on the digital value. A correlated output comparator (15) compares an output signal from the correlator with a prescribed threshold value to establish correlated synchronization using the output signal from the correlator, performs initial synchronization using the comparison output, the output amplitude level of the variable gain amplifier (12) is controlled in accordance with an output amplitude from the correlator (14), and gain of the variable gain amplifier (12) is switched to the maximum value by a switch (19) dependent on presence/absence of a synchronization establishment signal from the correlation synchronizing circuit (16). <IMAGE>

IPC 8 full level
H04B 1/707 (2011.01); **H04B 7/005** (2006.01); **H03G 3/00** (2006.01); **H03G 3/30** (2006.01); **H04B 1/16** (2006.01); **H04B 1/7075** (2011.01)

CPC (source: EP US)
H03G 3/001 (2013.01 - EP US); **H03G 3/3052** (2013.01 - EP US); **H04B 1/69** (2013.01 - EP US); **H04B 1/709** (2013.01 - EP US)

Cited by
EP1037381A3; US6671002B1; US6885851B1; WO2016168639A1; WO2012176139A1; WO0019673A1; US10484028B2; EP2267889A2; US8615212B2; US8626099B2; US8634790B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
EP 0785632 A2 19970723; EP 0785632 A3 20001018; EP 0785632 B1 20060510; DE 69735831 D1 20060614; DE 69735831 T2 20070531; JP 3273539 B2 20020408; JP H09200080 A 19970731; US 5896423 A 19990420

DOCDB simple family (application)
EP 97300284 A 19970117; DE 69735831 T 19970117; JP 700996 A 19960119; US 78266897 A 19970115